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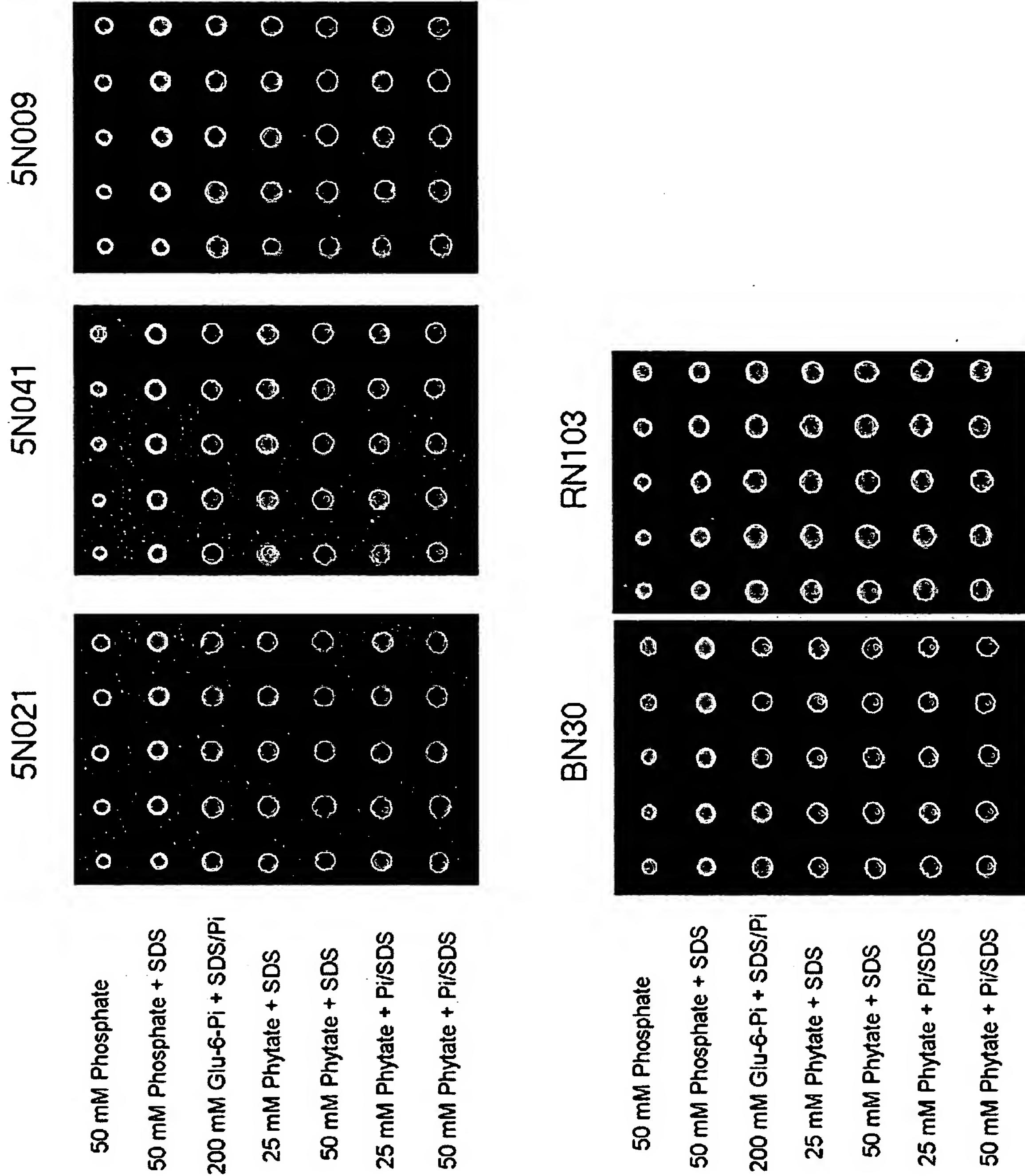
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**FIG. 1**



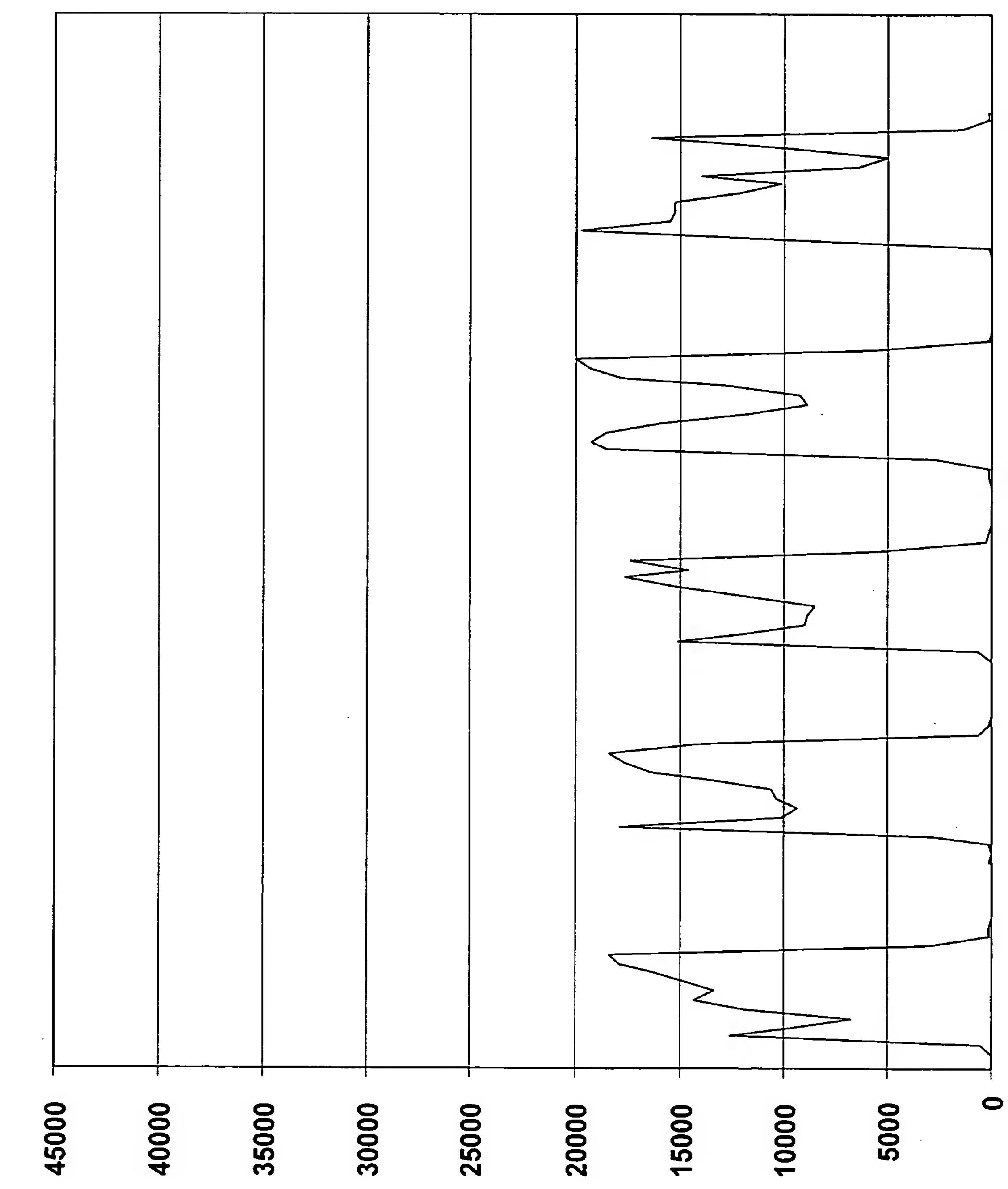
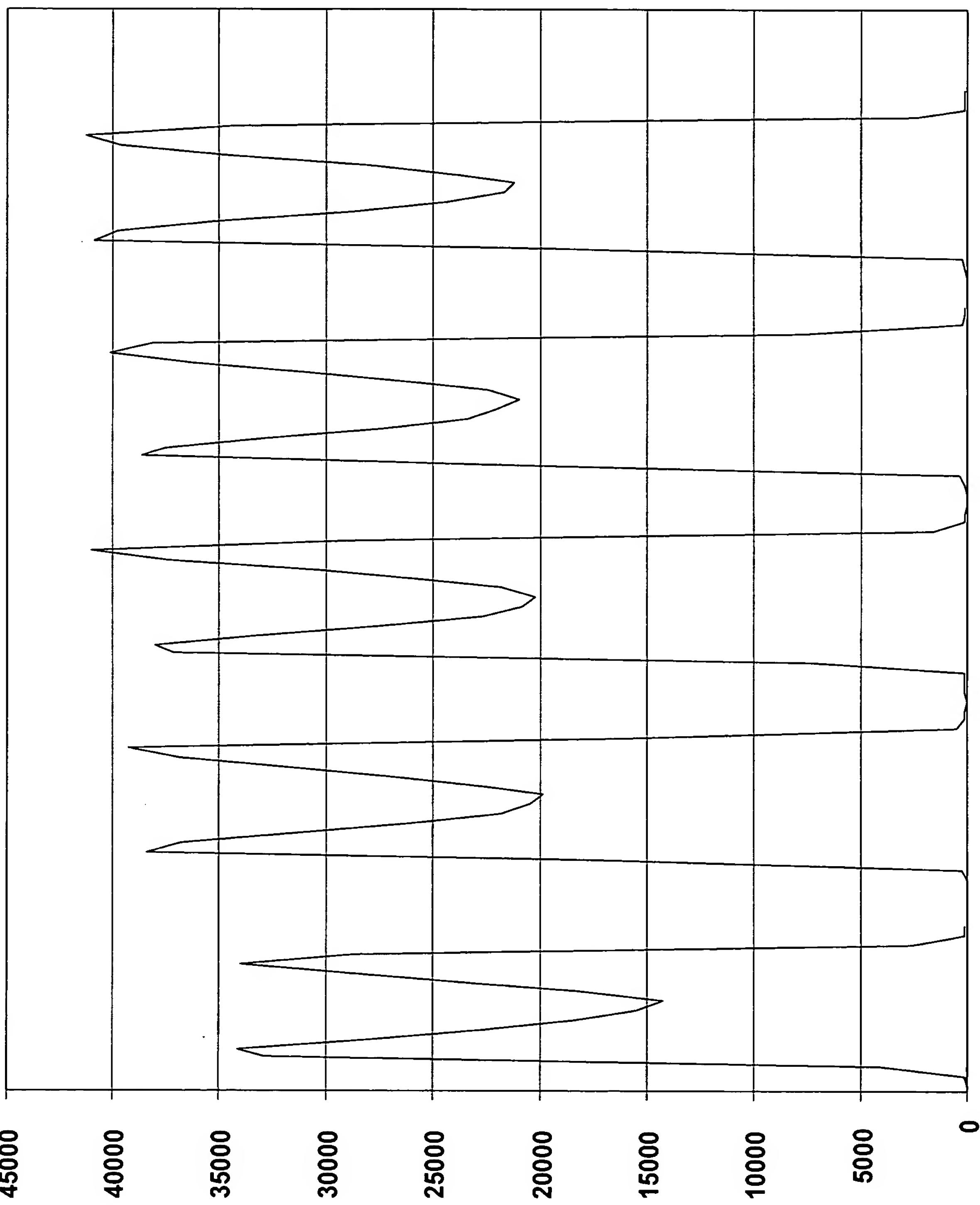
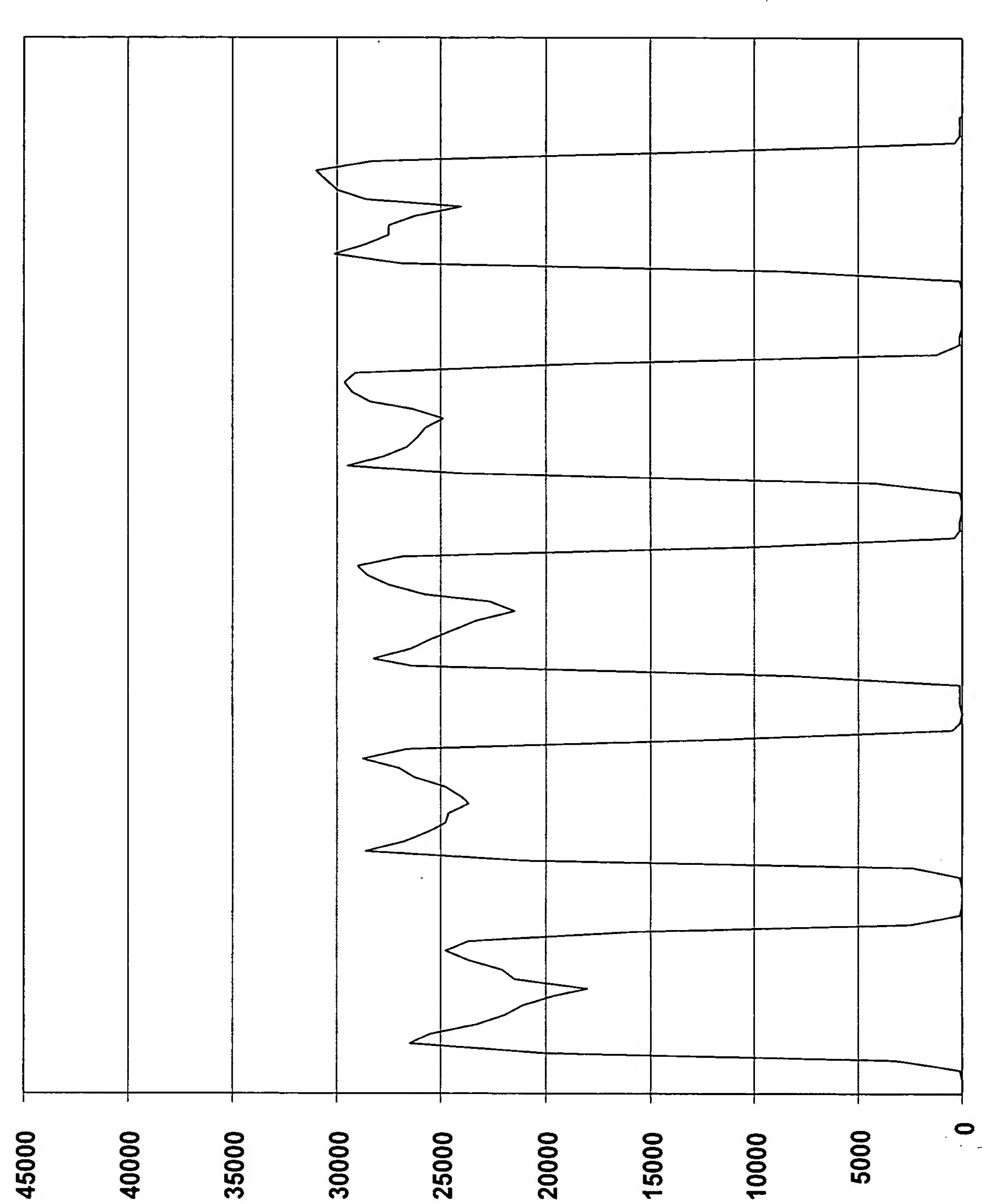


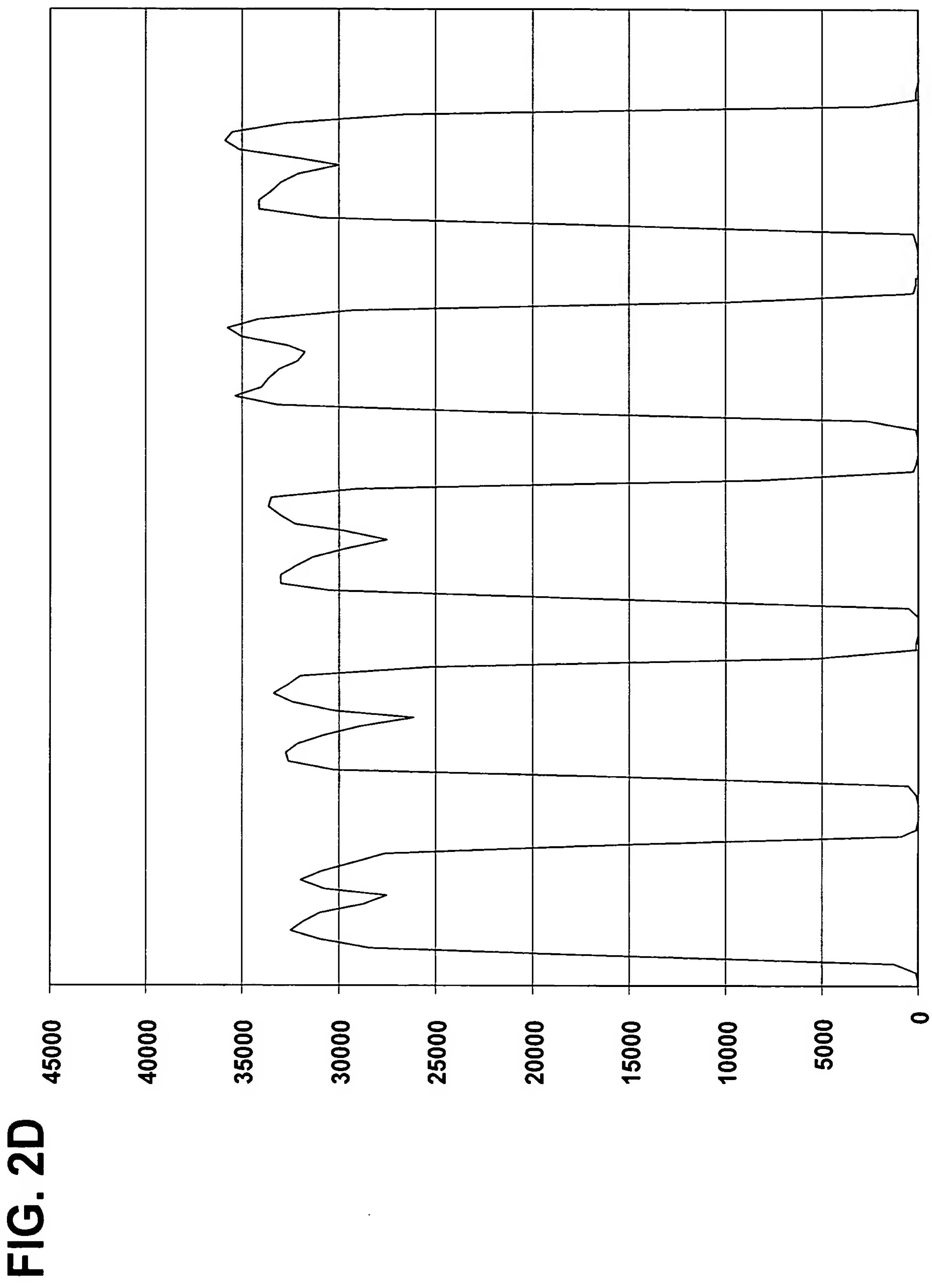
FIG. 2A

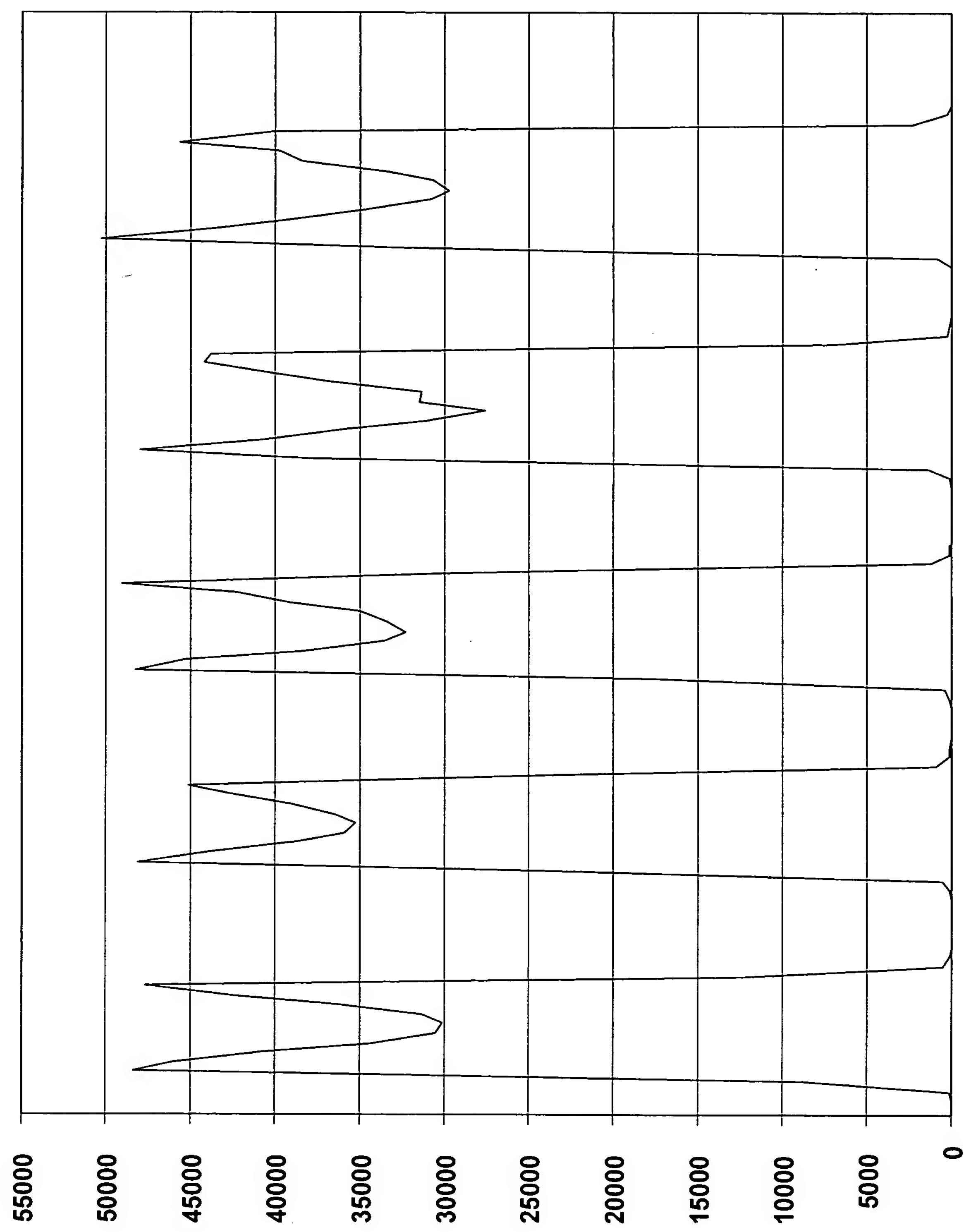


**FIG. 2B**

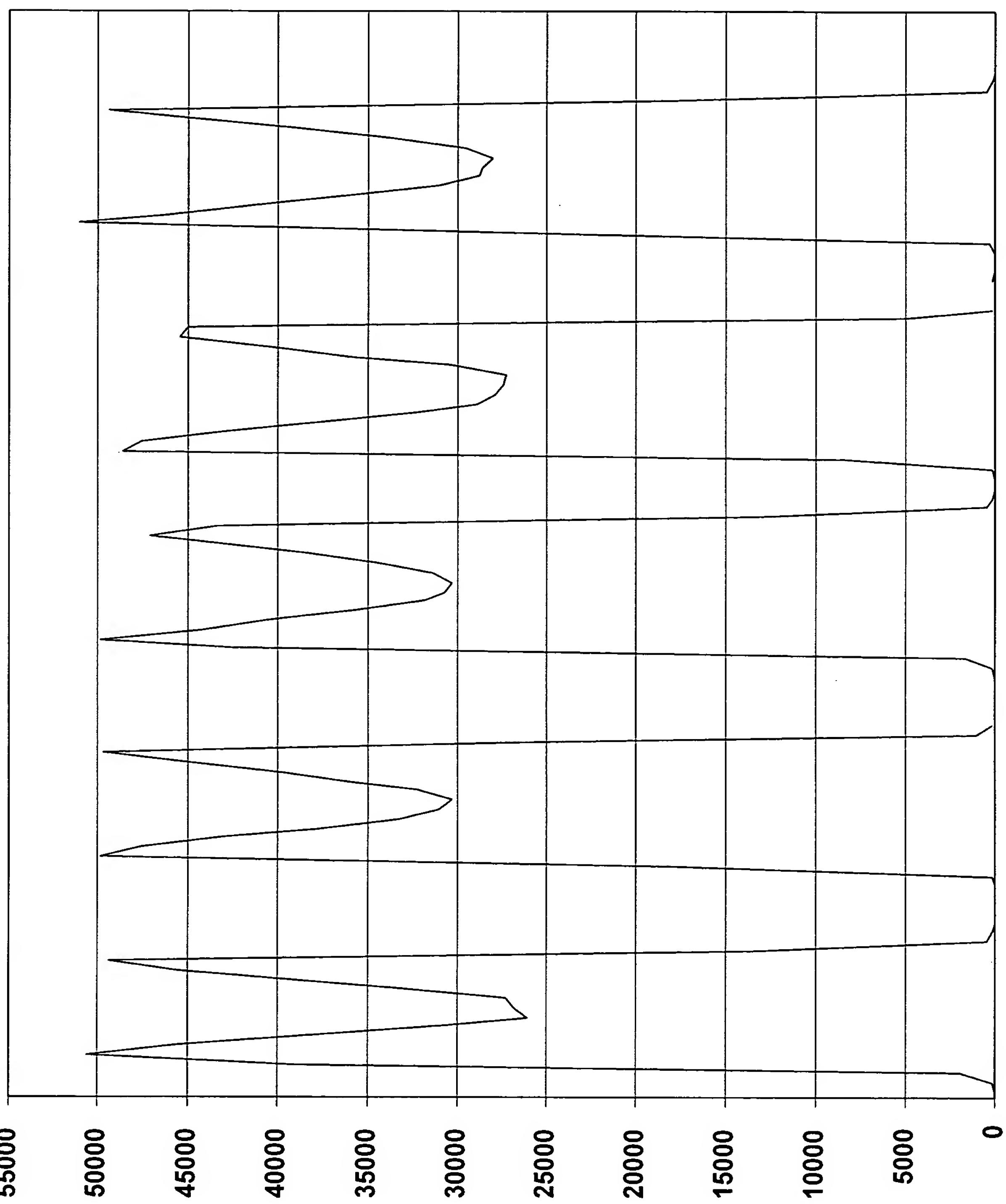


**FIG. 2C**

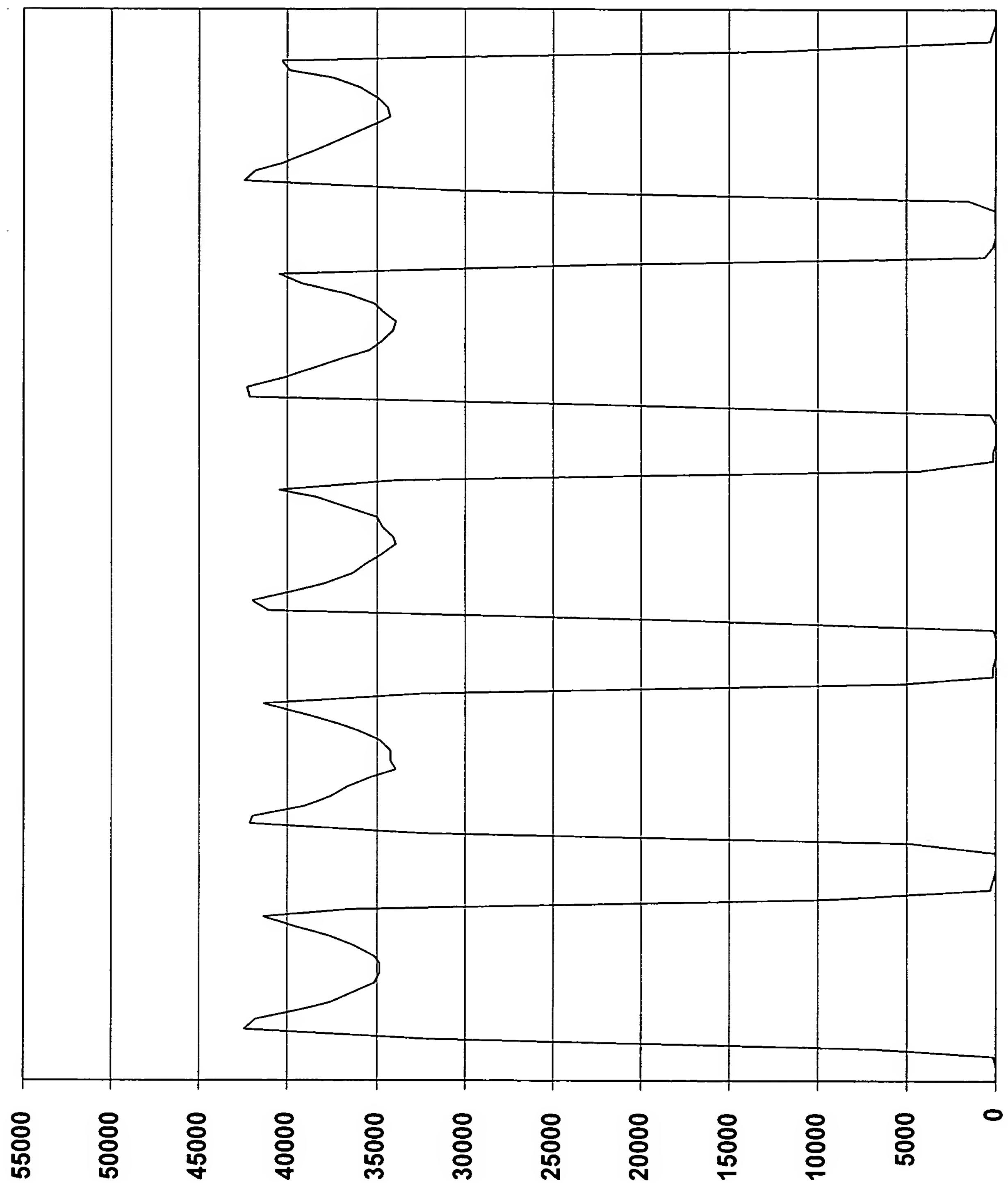




**FIG. 3A**

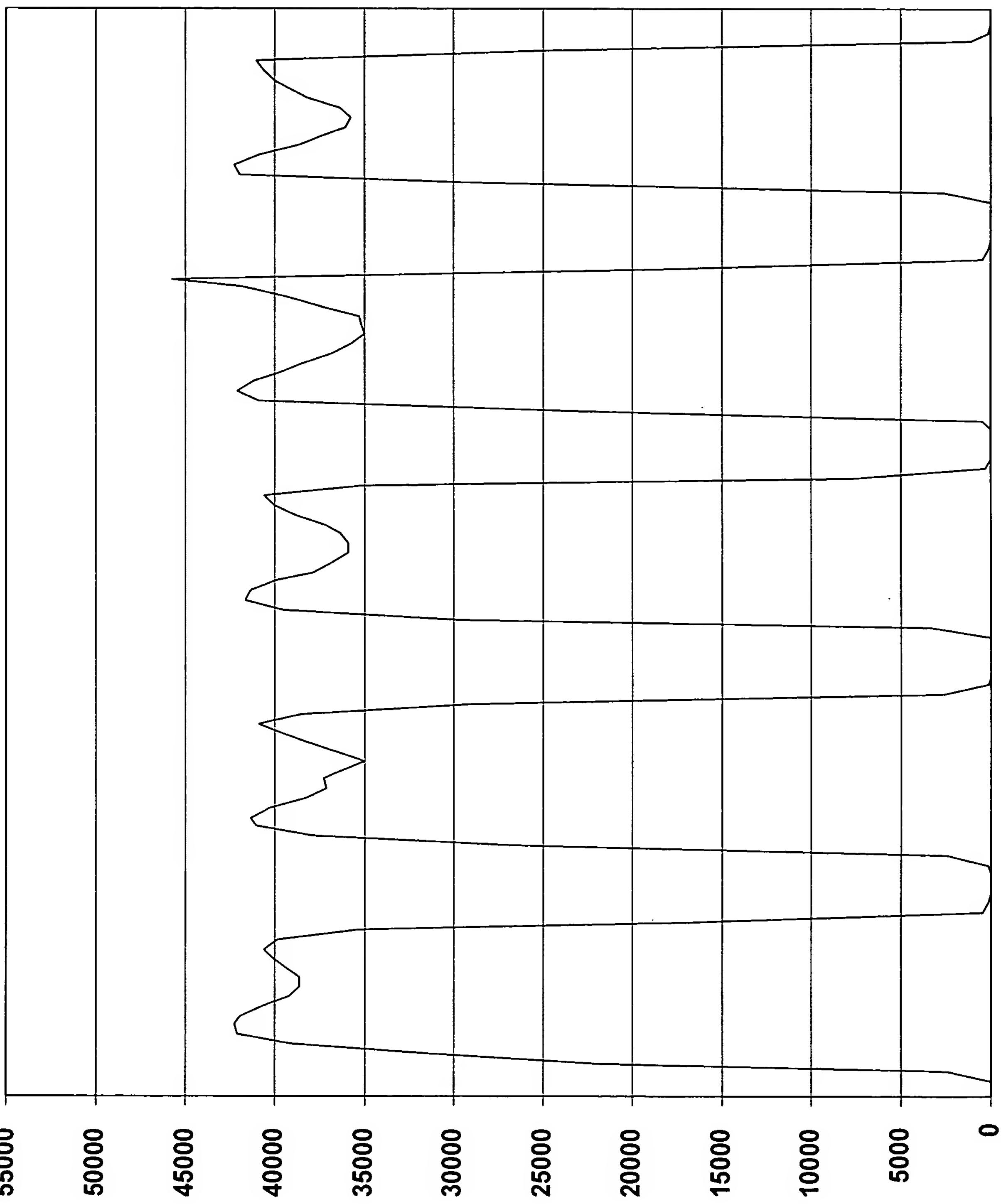


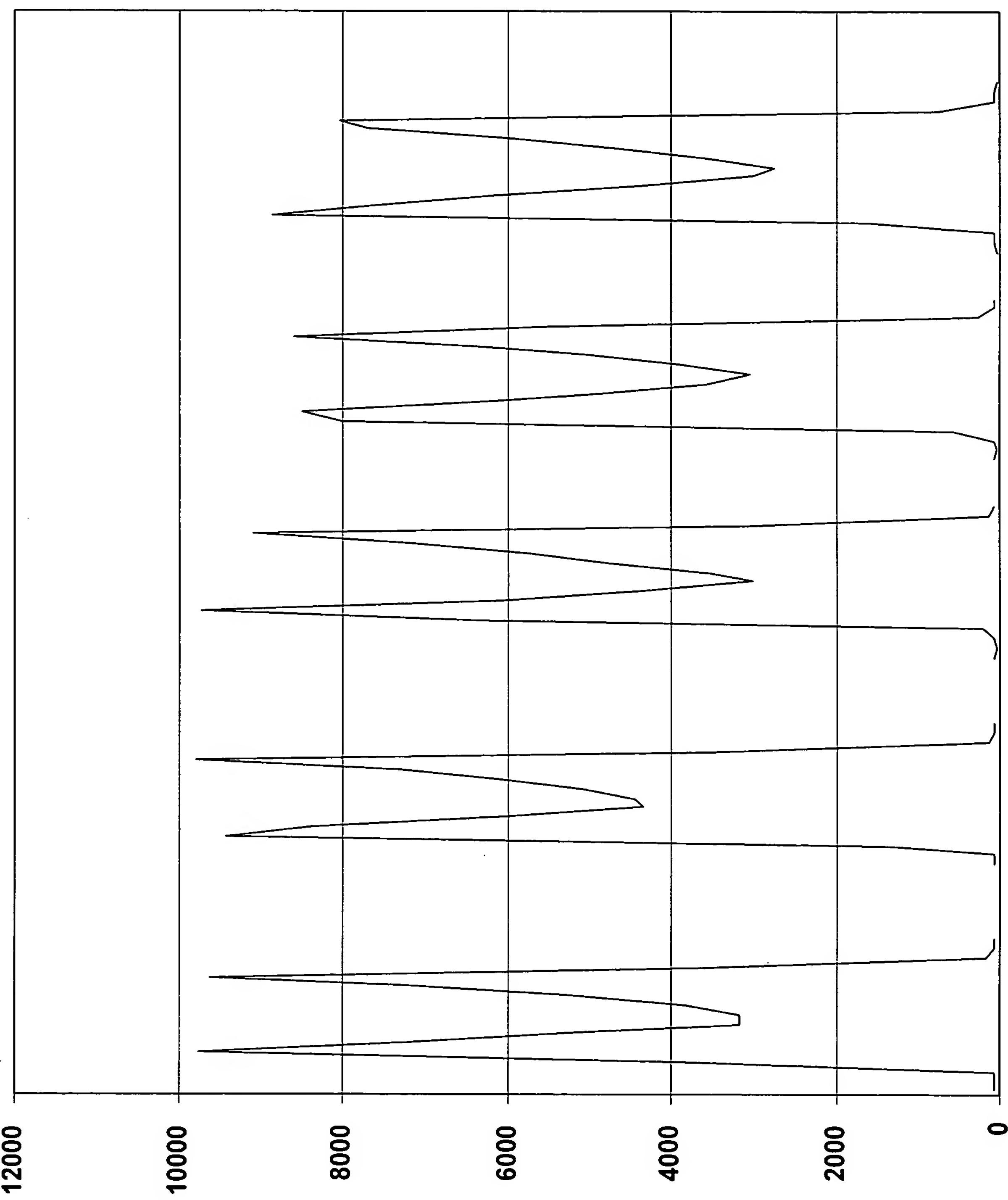
**FIG. 3B**



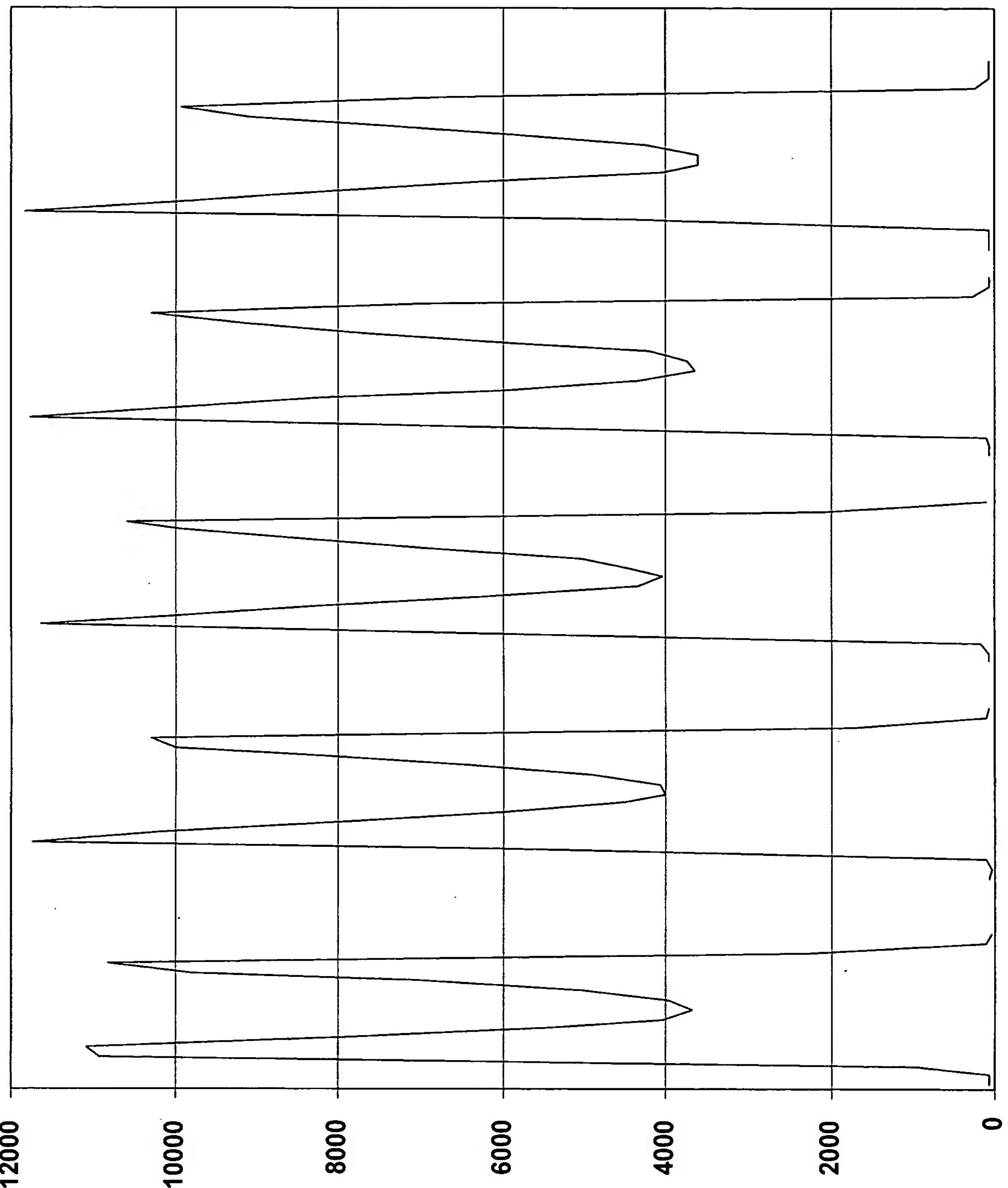
**FIG. 3C**

**FIG. 3D**

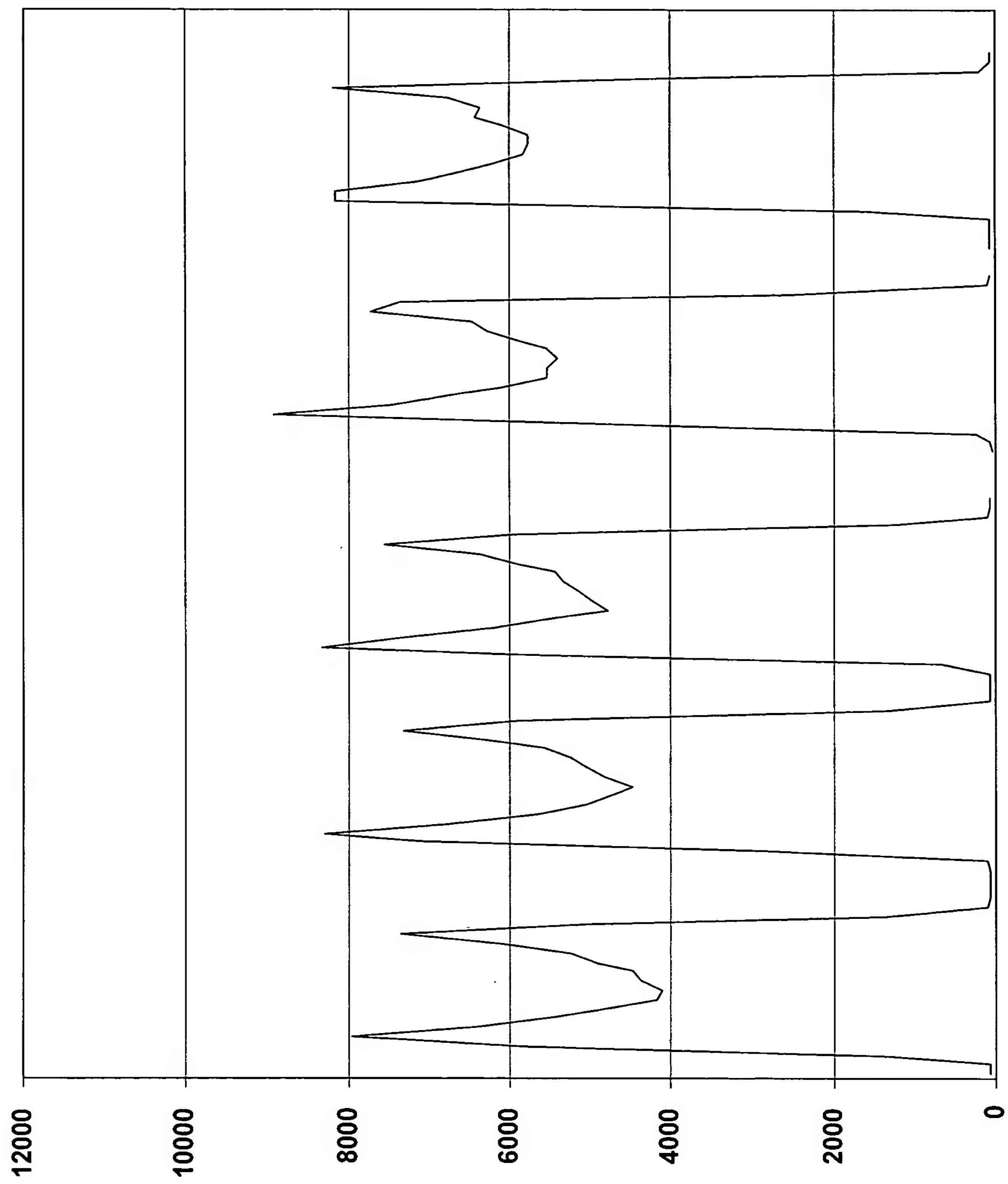




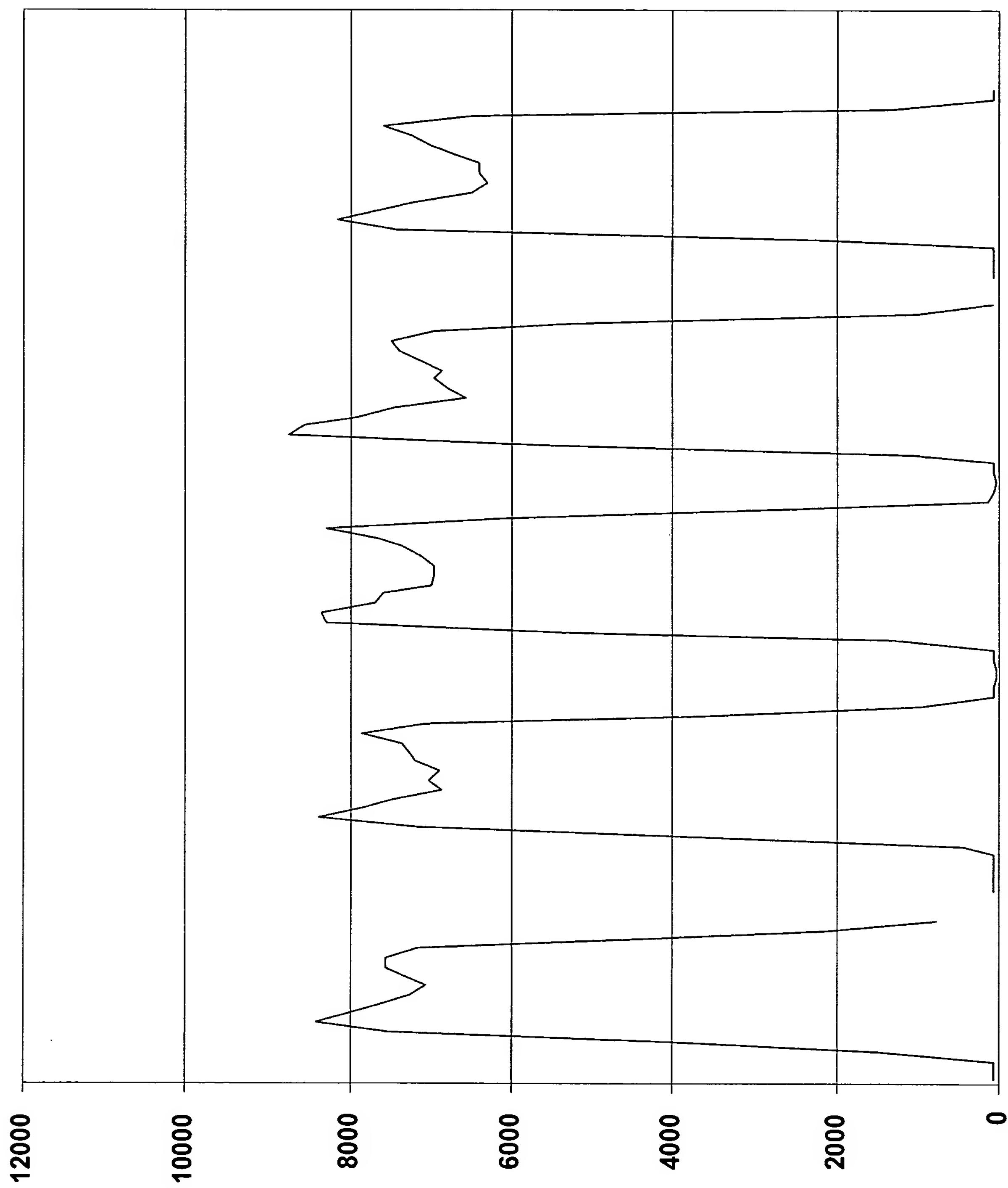
**FIG. 4A**



**FIG. 4B**



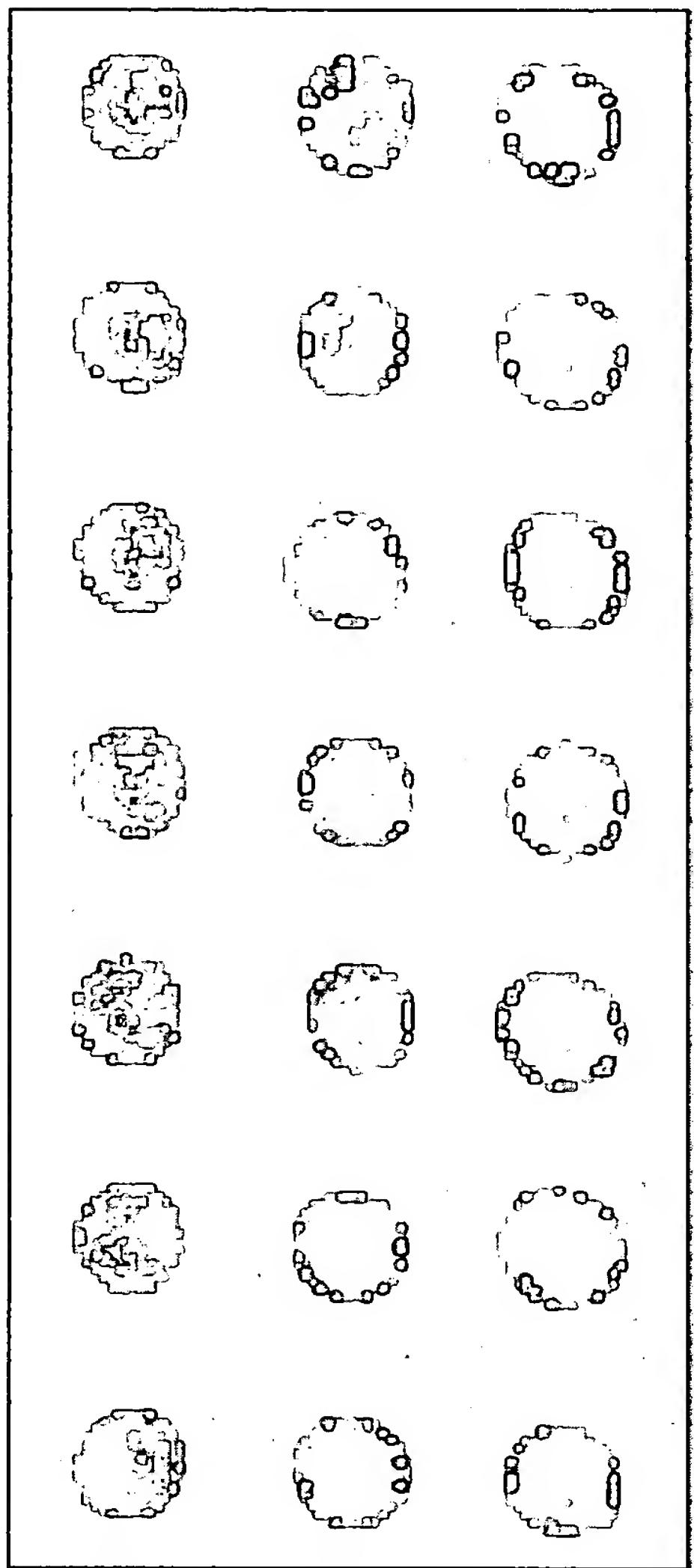
**FIG. 4C**



**FIG. 4D**

FIG. 5

*NC30 Oligo - Bound Oligo Density*

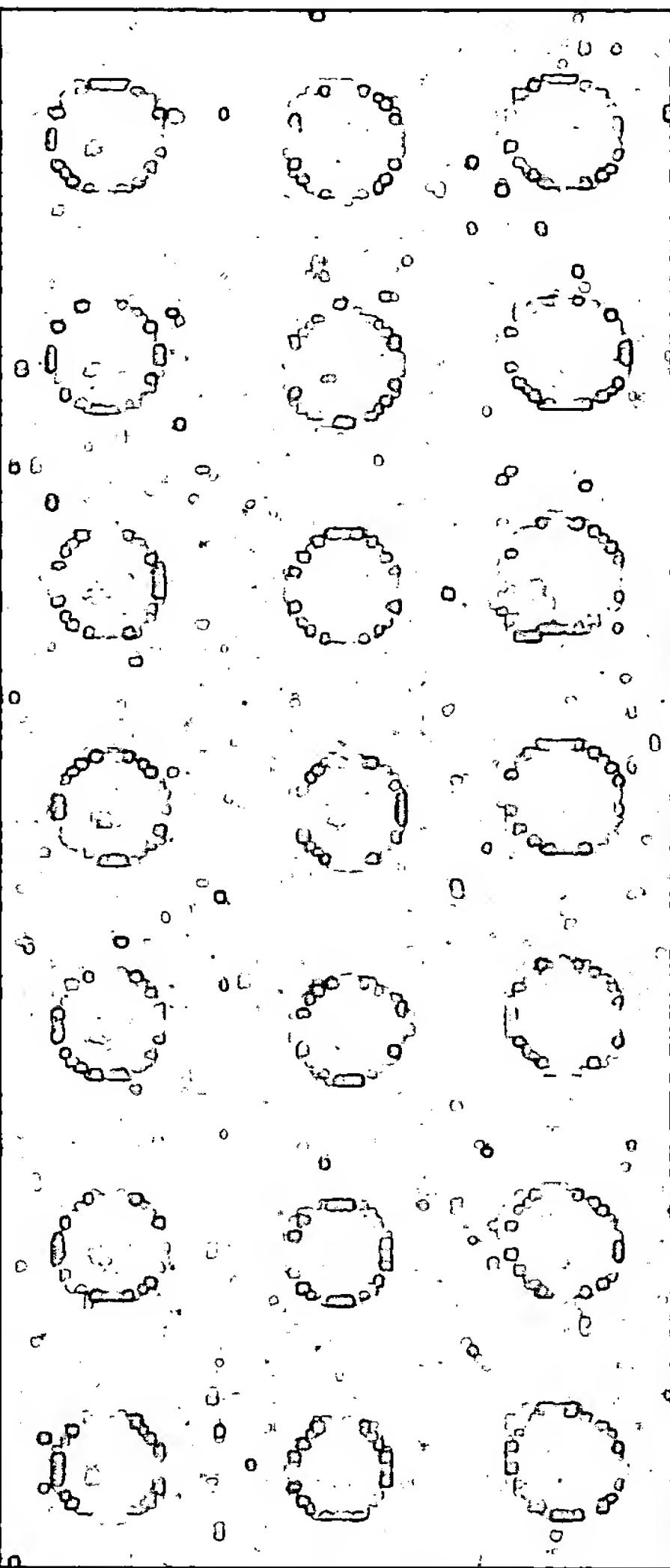


50 mM sodium phosphate  
pH 8.5

50 mM sodium phosphate  
pH 8.5 and 0.001% SDS

1 mM sodium phosphate  
pH 8.5 and 50 ug/ml  
88% hydrolyzed PVA

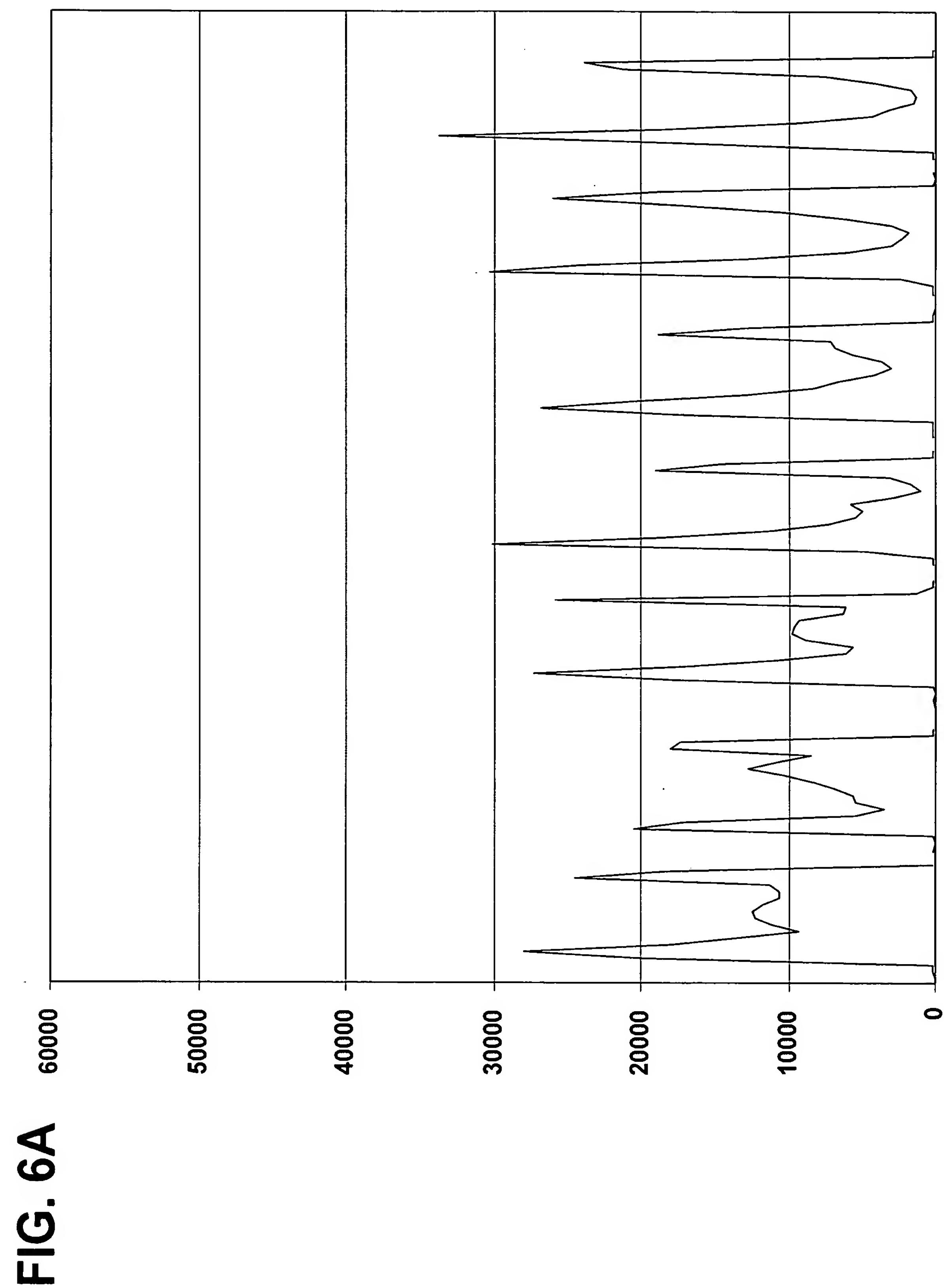
*E009 Oligo - Hybridization Signal*

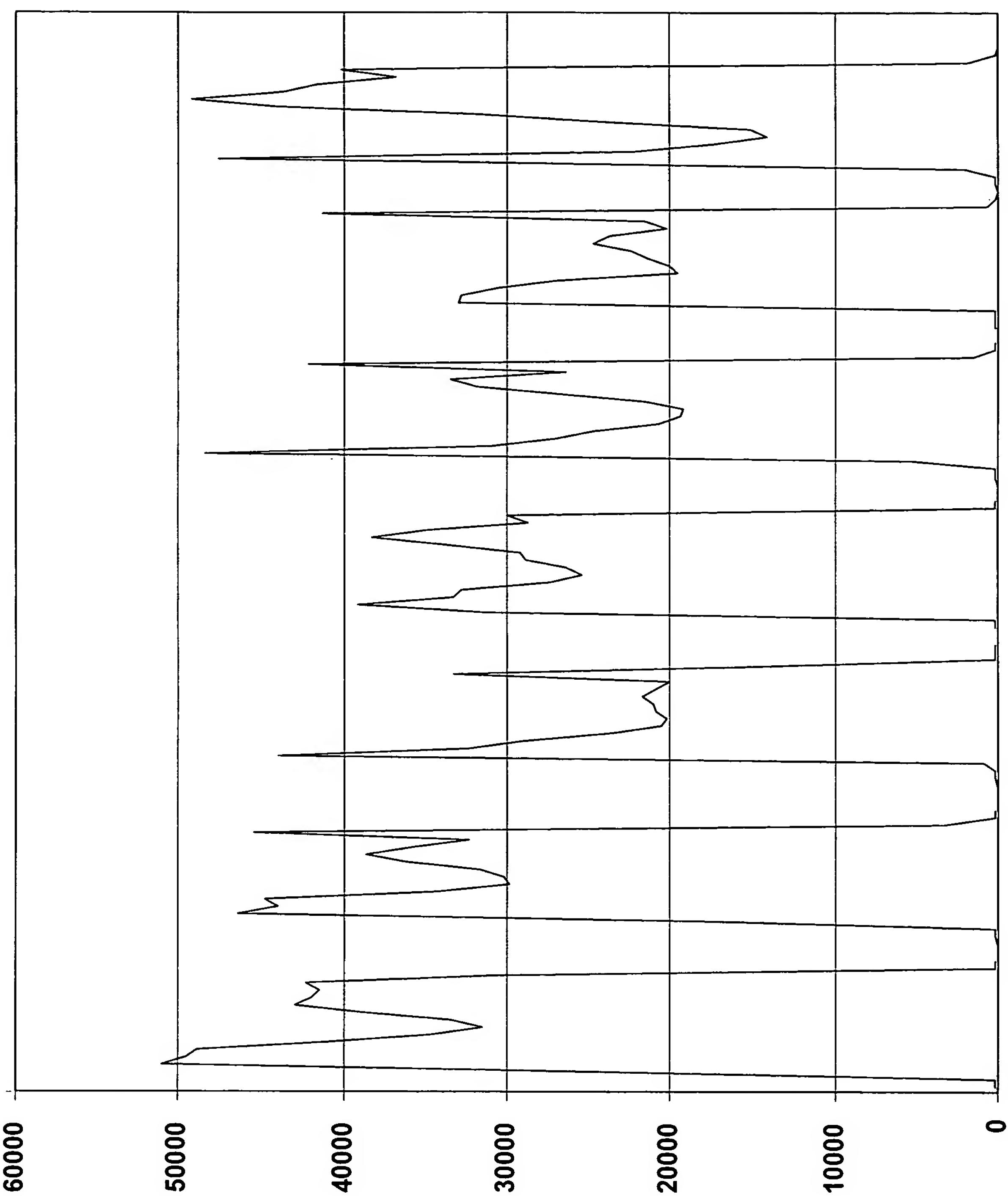


50 mM sodium phosphate  
pH 8.5

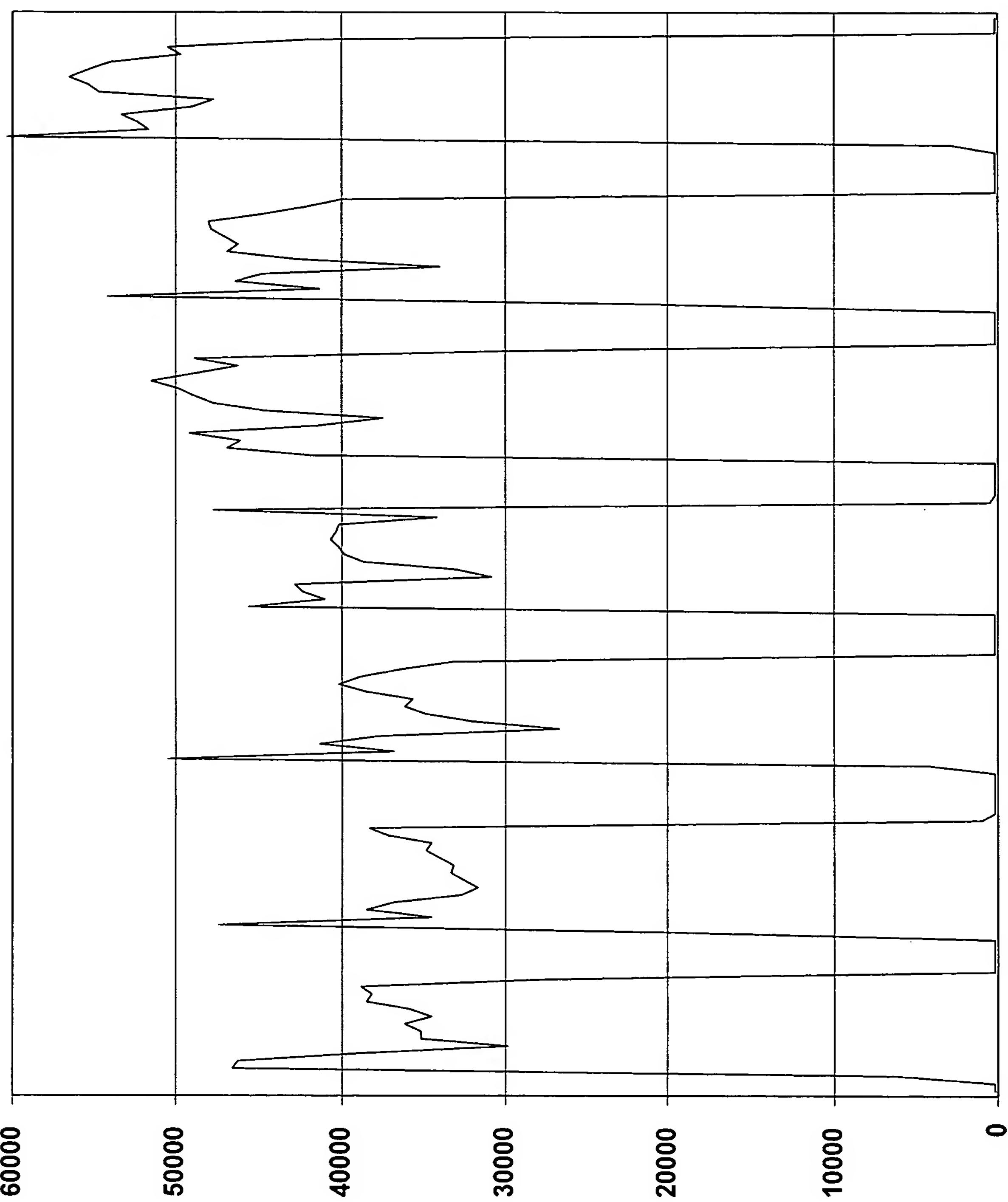
50 mM sodium phosphate  
pH 8.5 and 0.001% SDS

1 mM sodium phosphate  
pH 8.5 and 50 ug/ml  
88% hydrolyzed PVA

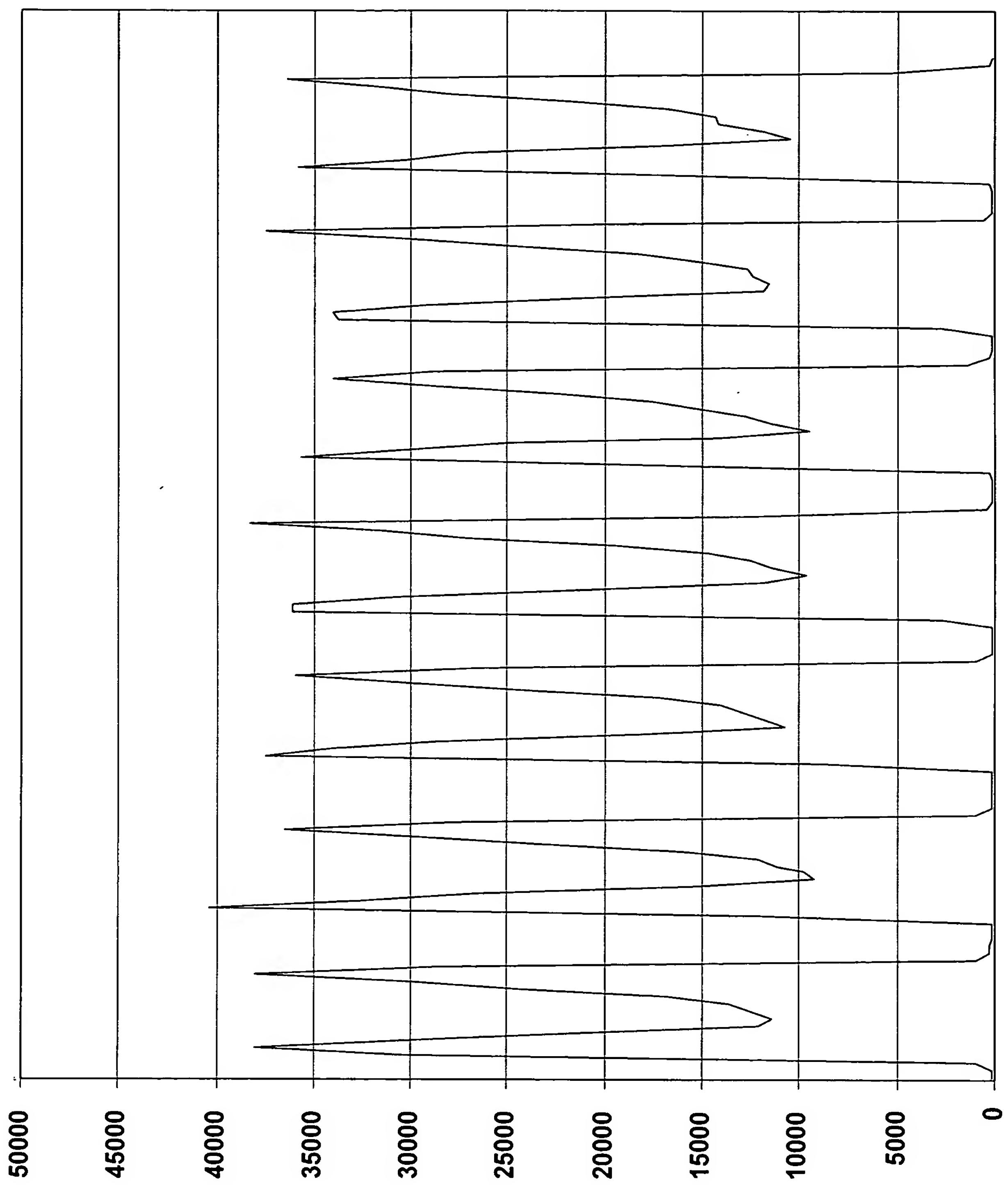




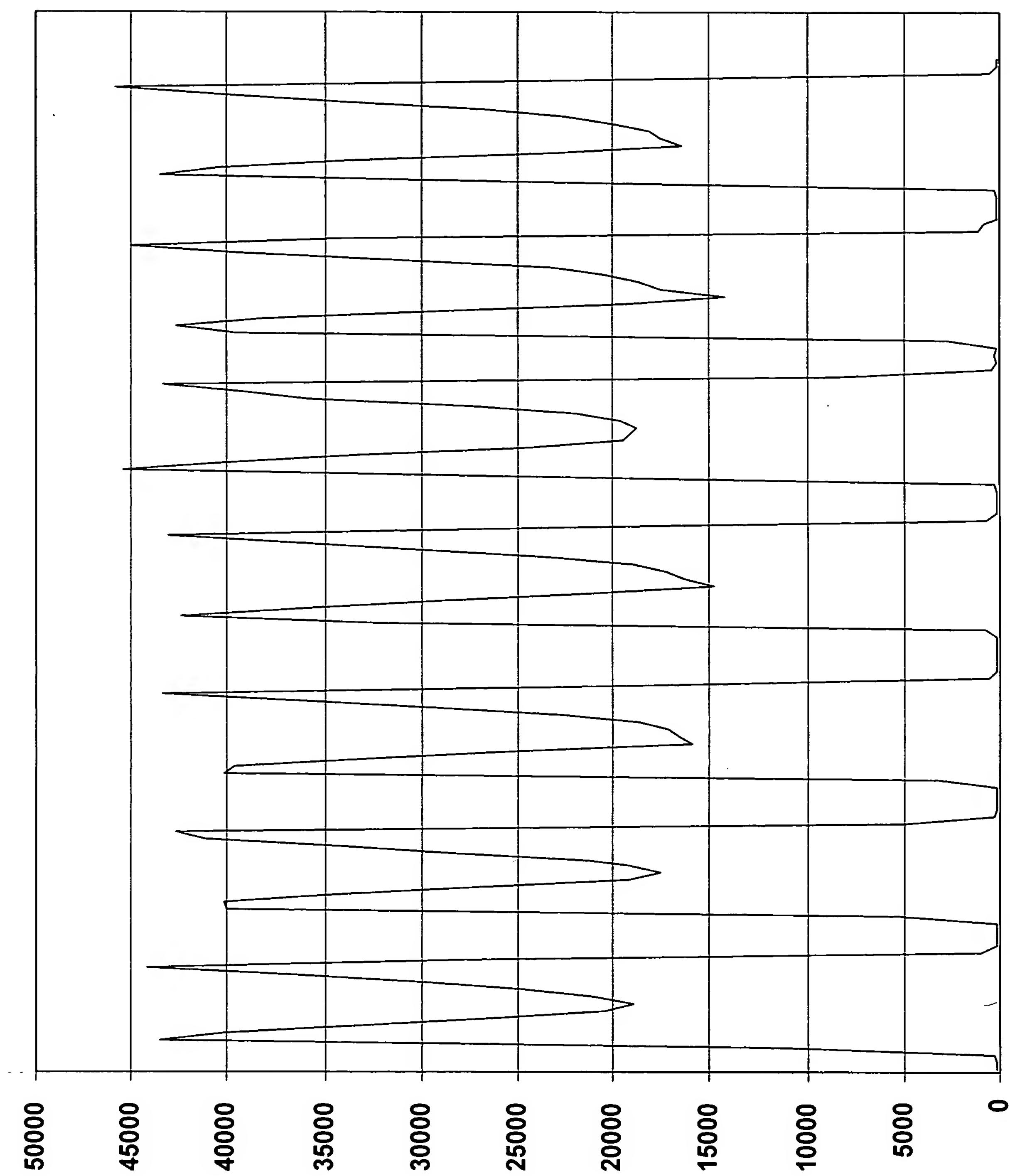
**FIG. 6B**



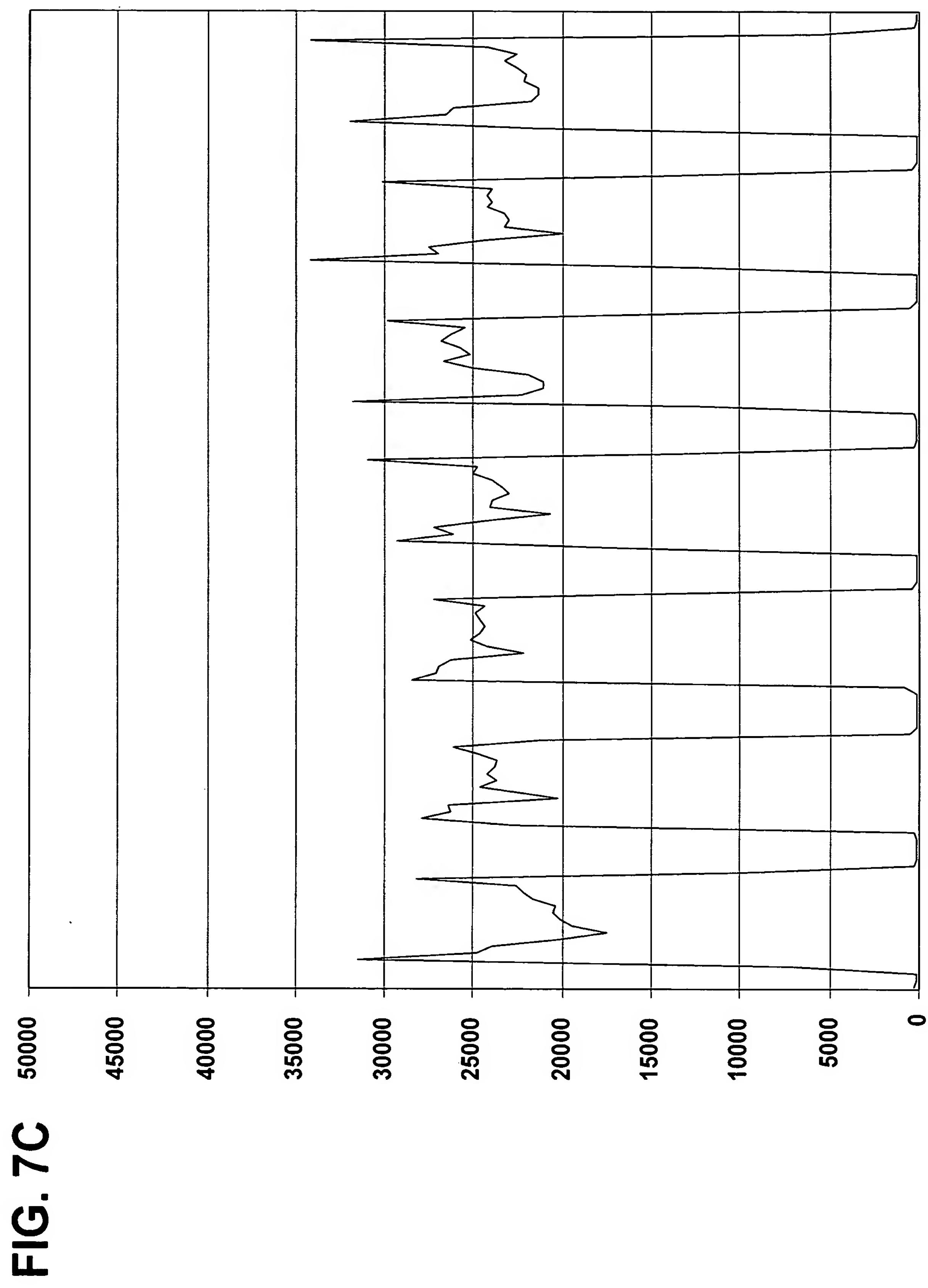
**FIG. 6C**



**FIG. 7A**

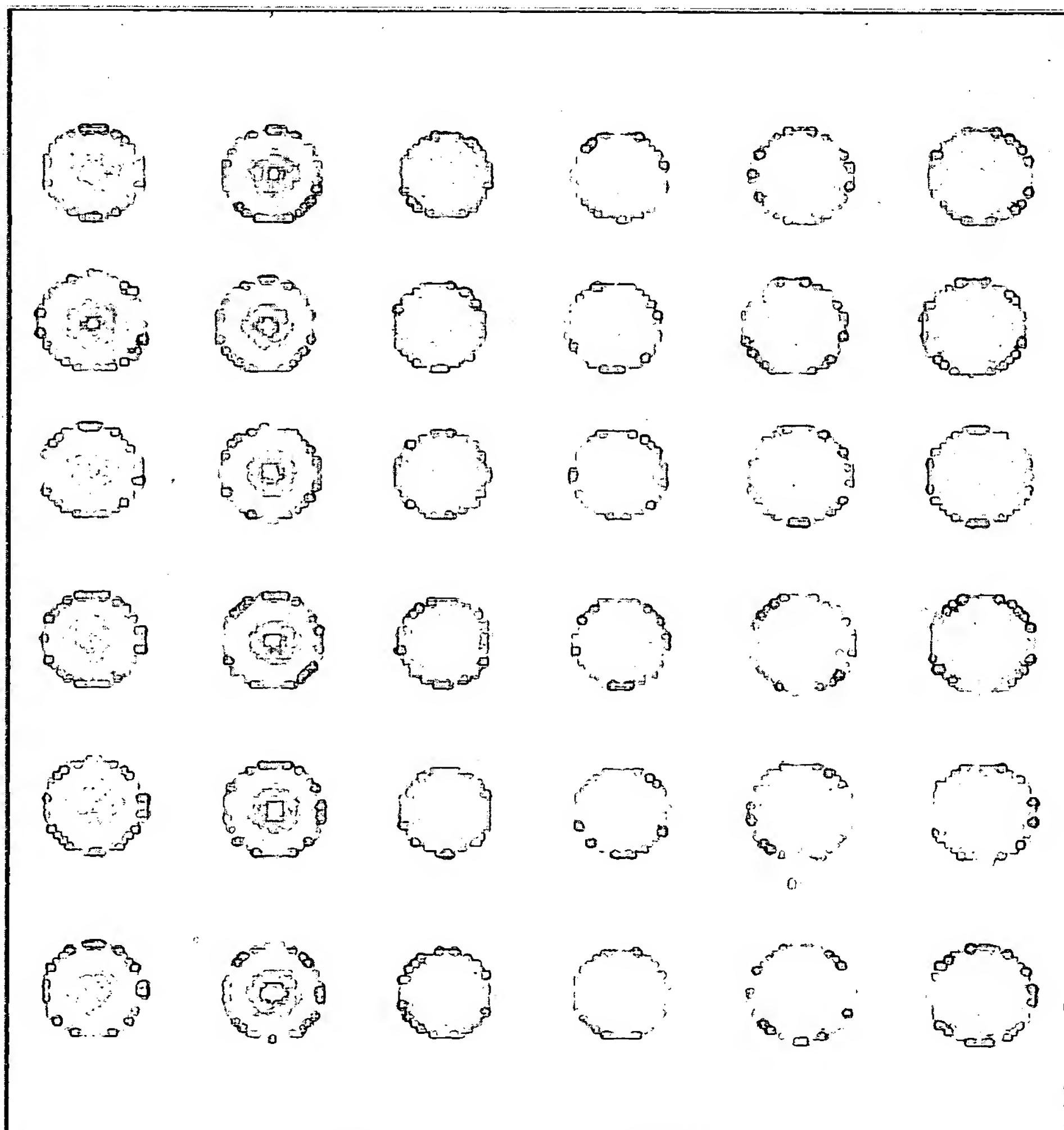


**FIG. 7B**



RN 103

FIG. 8A



50 mM sodium phosphate, pH 8.5

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 200 mM  
glucose-6-phosphate

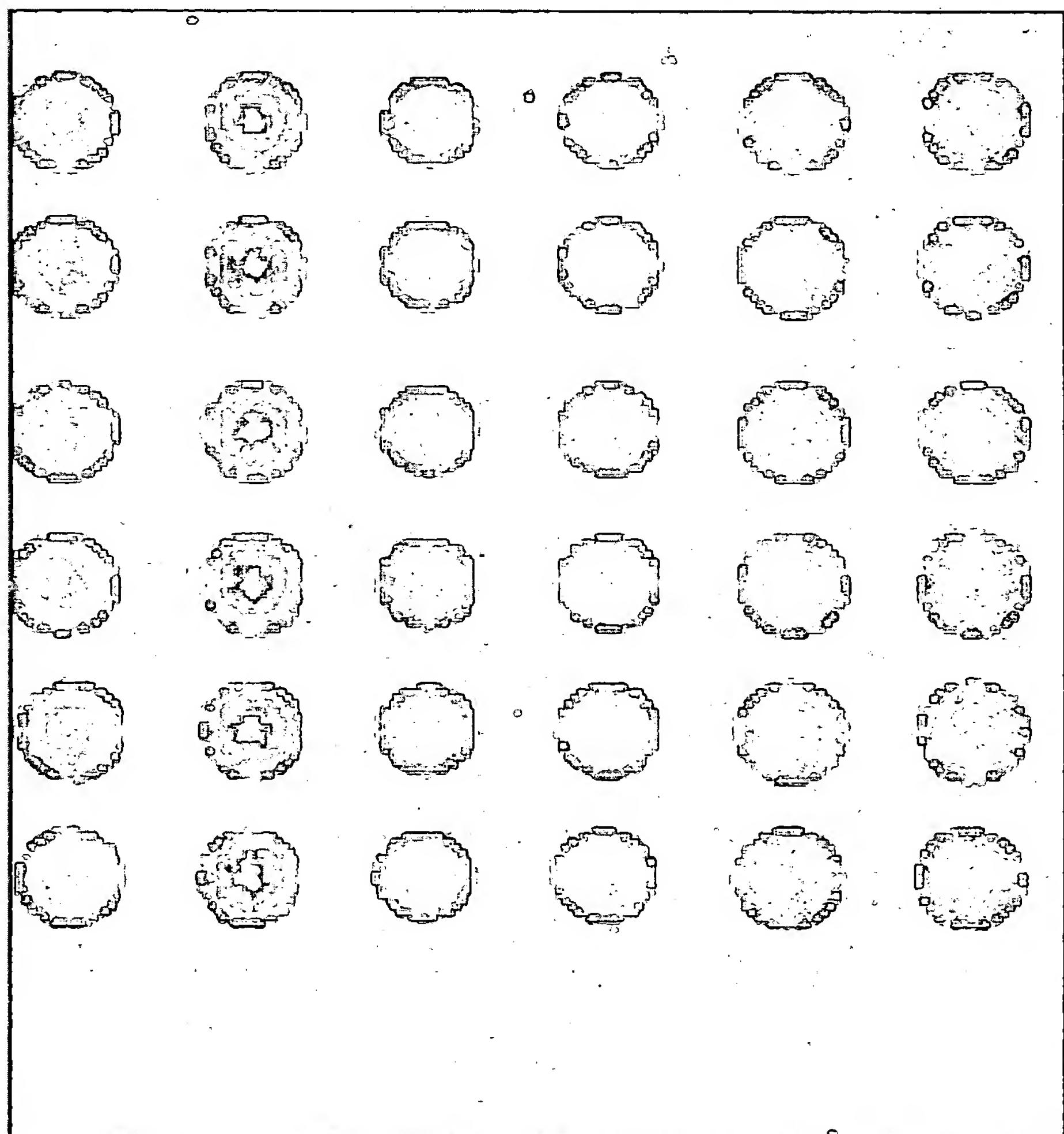
50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 25 mM  
sodium phytate

1 mM sodium phosphate, pH 8.5  
with 50 ug/ml 50K PVA,  
88% hydrolyzed

1 mM sodium phosphate, pH 8.5  
with 50 ug/ml 10K PVA,  
80% hydrolyzed

FIG. 8B

BIN 30



50 mM sodium phosphate, pH 8.5

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 200 mM  
glucose-6-phosphate

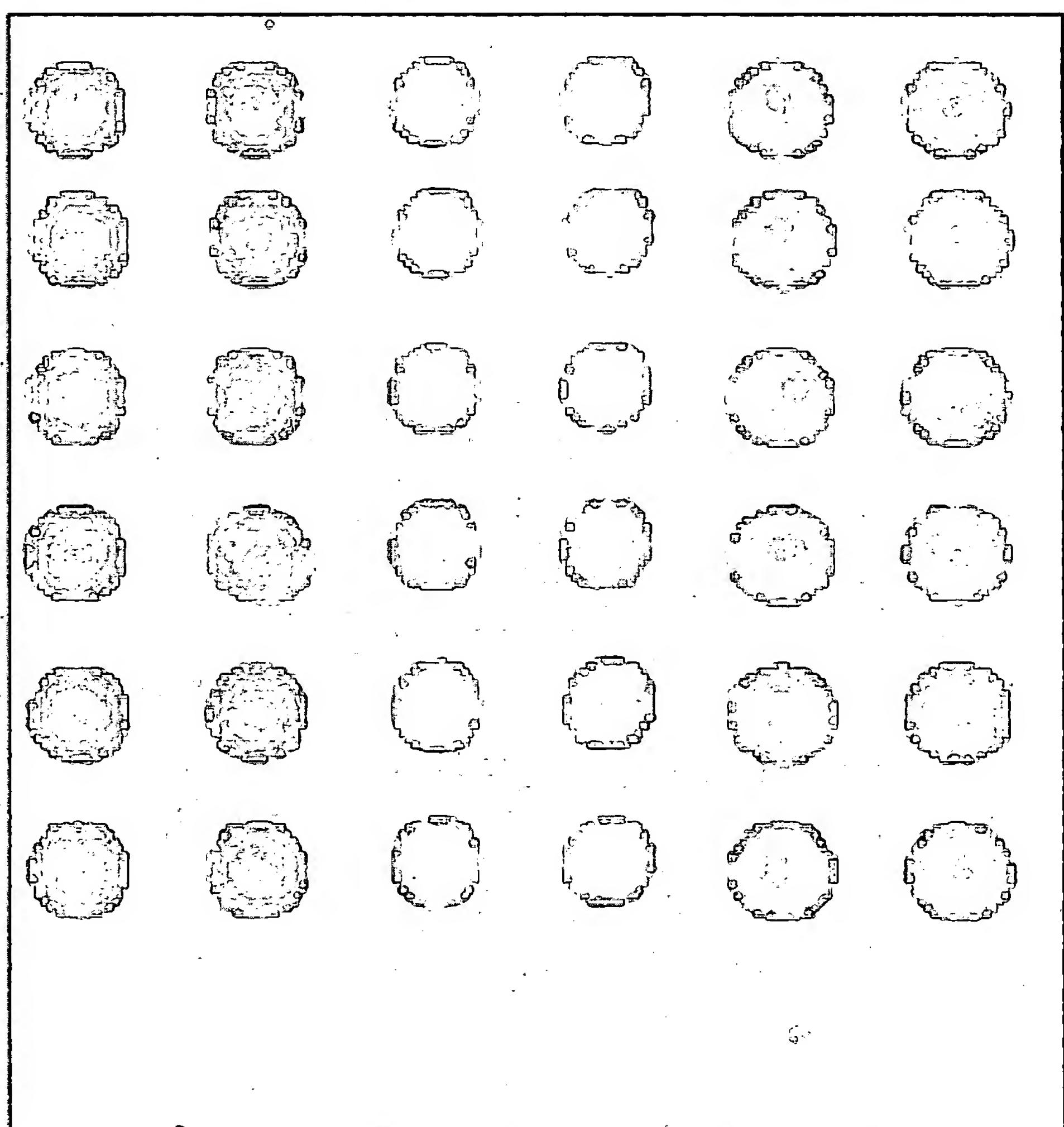
50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 25 mM  
sodium phytate

1 mM sodium phosphate, pH 8.5  
with 50 ug/ml 50K PVA,  
88% hydrolyzed

1 mM sodium phosphate, pH 8.5  
with 50 ug/ml 10K PVA,  
80% hydrolyzed

FIG. 8C

5N009



50 mM sodium phosphate, pH 8.5

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 200 mM  
glucose-6-phosphate

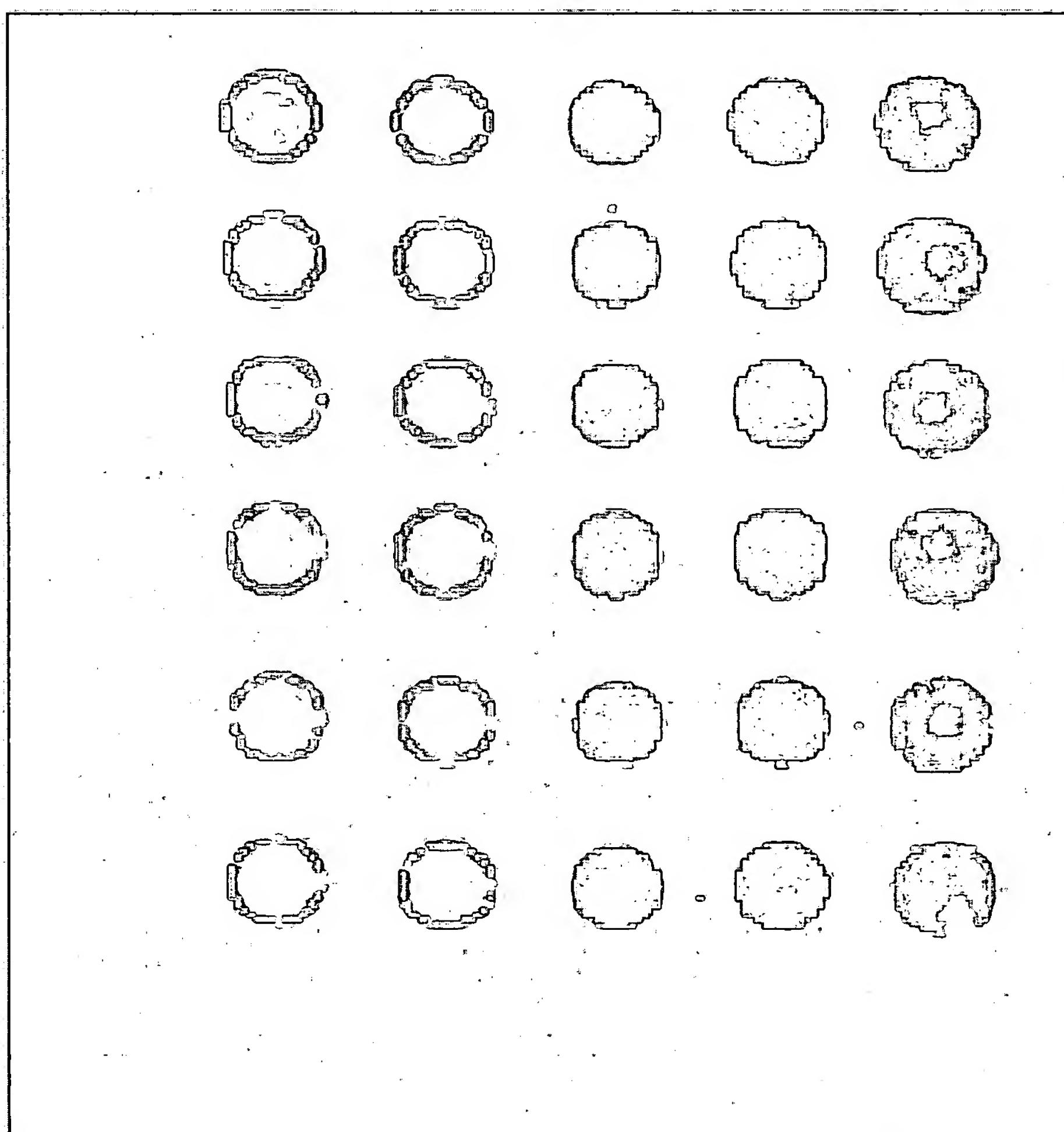
50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 25 mM  
sodium phytate

1 mM sodium phosphate, pH 8.5  
with 50 ug/ml 50K PVA,  
88% hydrolyzed

1 mM sodium phosphate, pH 8.5  
with 50 ug/ml 10K PVA,  
80% hydrolyzed

FIG. 8D

5N021



50 mM sodium phosphate, pH 8.5

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS

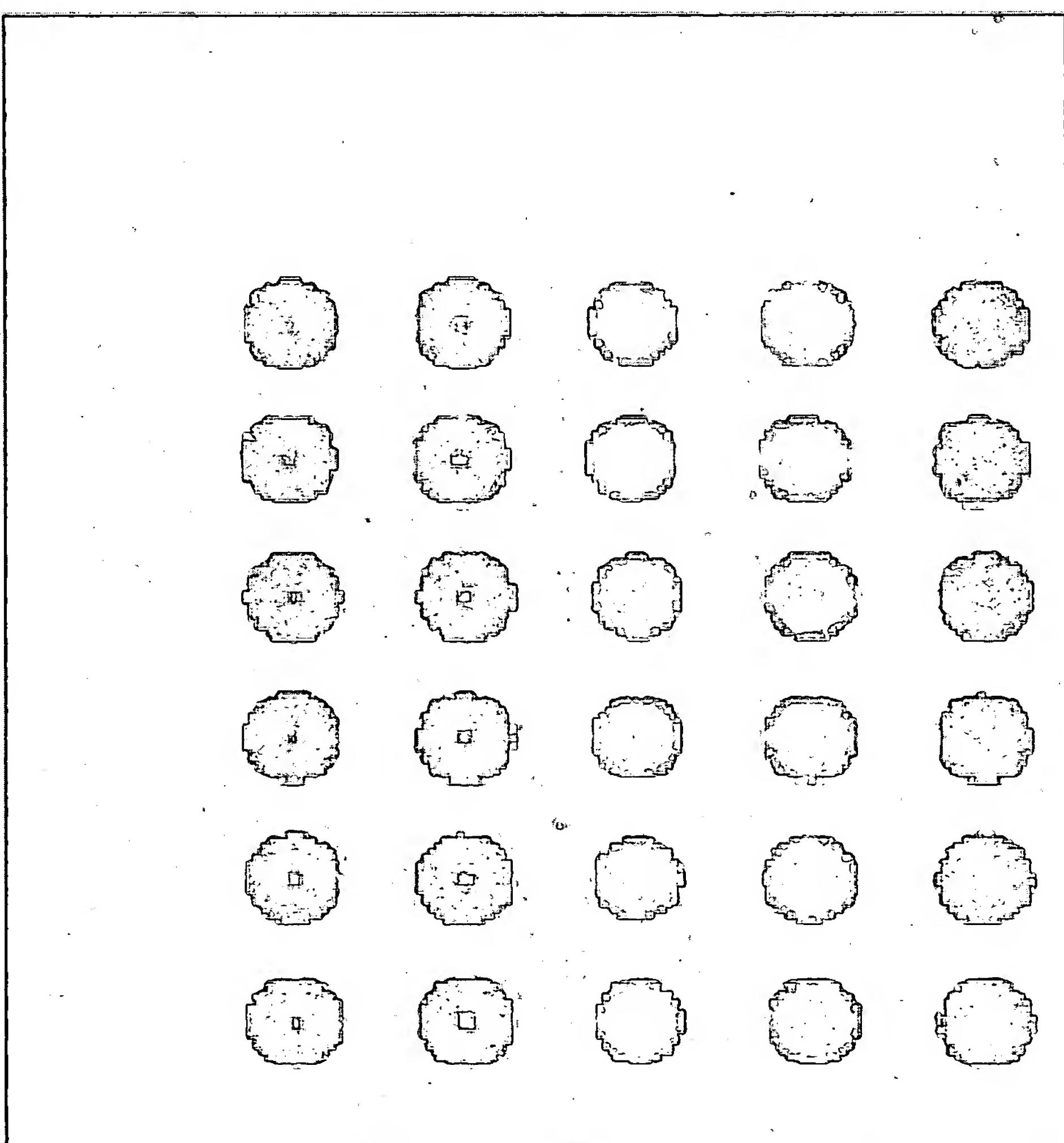
50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 200 mM  
glucose-6-phosphate  
sodium phytate

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 25 mM  
sodium phytate

1 mM sodium phosphate, pH 8.5  
with 50 ug/ml 50K PVA,  
88% hydrolyzed

FIG. 8E

5N041



50 mM sodium phosphate, pH 8.5

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 200 mM  
glucose-6-phosphate

50 mM sodium phosphate, pH 8.5  
with 0.001% SDS and 25 mM  
sodium phytate

1 mM sodium phosphate, pH 8.5  
with 50 ug/ml 50K PVA,  
88% hydrolyzed